2



### Department of Energy

Richland Operations Office P.O. Box 550 Richland, Washington 99352

JUL 1 7 1996

96-EAP-226

Mr. David L. Lundstrom 200 Area Section Manager Nuclear Waste Program State of Washington Department of Ecology 1315 West Fourth Avenue, MSIN B3-15 Kennewick, WA 99336-6018



Dear Mr. Lundstrom:

COMPLETION OF COMPLIANCE ACTIONS FROM THE JUNE 14, 1996, INSPECTION OF 3718-F, 303-K, and 303-M

Enclosed are the completed Dangerous Waste Compliance Checklist forms and required documentation for the 3718-F Alkali Metal Treatment and Storage Facility (TS-3-3), 303-K Storage Facility (S-3-1), and 303-M Oxide Facility (T-3-2). Patrick Svoboda issued the checklist during an inspection of these facilities on June 13, 1996. The forms show that all of the required actions have been completed by the agreed date of June 28, 1996.

If you have any questions, please call Ellen Mattlin, of my staff, on 509-376-2385.

Sincerel

James E. Rasmussen, Director
Environmental Assurance, Permits,
and Policy Division

EAP: EMM

Enclosures:

 3718-F Alkali Metal Treatment and Storage Facility (TS-3-3) Checklist

2. 303-K Storage Facility (S-3-1) Checklist

3. 303-M Oxide Facility (T-3-2) Checklist

cc w/encls:

Administrative Record

I. Metcalf, WHC

P. Svoboda, Ecology

R. Szelmeczka, WHC

S. Szendre, WHC

### ENCLOSURE 1

3718-F Alkali Metal Treatment and Storage Facility (TS-3-3) Checklist

Pages 1-3



Date: 6 / 3/36

## Dangerous Waste Compliance Checklist

TYPE OF VISIT: TECHNICAL ASSISTANCE COMPLIANCE INSPECTION COMPLAINT # Other:	
Opening Conference Yes No Site Tour Yes No Records Review Yes No Closing Conference Yes No	
Site	
Site Name: Hanford SITE 13718- F WA 787 000 896	37
Site Contact(s): Koseir Stelmerzka.  Title(s): Environmental Compliance officer.	
Phone: (59). 1373-4200 Phone:	<del></del>
Address: P.O. Bex 1970 Pichland, WA 99352	
Mailing Address: P.O. Box 1970	
City: Richland Co: Benton Zip: 99352.	
Years on Site: SIC#	
Generator/Facility Status (circle): SQG MQG LQG (TSD) Recycler Other	
Type of Business: Alkali Metal Treatment + Storage	
Ecology	
Lead Contact: Pct Suboda Phone: 58/736-5709 FAX \$39 /736-30	δΣc
Other Representatives: Stee Moder, Hoin Christise Branco Schmordo	
Time On Site: 1:00 AM/RM Time Off Site: AM/P	M
Report Date: 6 113 196 Report By: Pat Svoboda.	
Report Date: 6 /17 / Report By: 765 3005000	
Process Information :	
Process Information	
Processes that Generate Wastes: Solvion combostion in burn room;	
Sodium reaction with roater in reaction ten KS Waste Streams (description or codes): No longer generating wastes.	
Waste Streams (description or codes): <u>Do longer generating wastes.</u>	
Pollution Prevention Suggestions, Technical Assistance Referrals Information and assistance on the following environmental programs is available from:	
<u> </u>	
· · · · · · · · · · · · · · · · · · ·	
Ecology Form No. 3/15/96 Page 1 of 3	<del></del>

No	Compliant Compliance			AG WA 78900	Sce Line i Below
$\mathcal{N}$	itions Not in Compliance	1 -715	_	- 11	
	o configureu plan a	F 3717-	<u>+</u>	tachety	27.
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e ).	Violation	WAC 173-303	Line No.	Violation	WAC 173-30
	WASTE MANAGEMENT	WAC 173-303		ADMINISTRATION/RECORDS	····
	Waste Designation	-070(3)	20	Notification & Identification #s	-060(2)
	Failure to Offer Waste to TSD	-141	21	Manifesting	-180
	Spills/Discharges	-145	22	Large Quantity Generator Plans	-200(1)(b),
		1	1		-320 to -36
1	Treatment-by-Generator	-170(3)	23	Recordkeeping Retention Times	-210
1	Accumulation Time Limits	-200(1)(a)	24	Annual Report/Exception Report	-220
1	Accumulation in Containers/Tanks	-200(1)(b), see 630/640	25	Personnel Training Requirements	-330
	Container/Tank Labeling	200(1)(c)(d)	26	Preparedness & Prevention	-340
	Secondary Containment	-200(1)(b)	27	Contingency Plan	-350
	Satellite Accumulation	-200(2)	28	Emergencies	-360
	Medium Quantity Generator	-201(c)	29	Permit-by-Rule	-802(5)
	Ignitable/Reactive/ Incompatible Wastes	-395		OTHER DANGEROUS WASTE VIOLATIONS	
	Used Oil Burned for Energy	-515	30	VIOLATIONS	· · · · · · · · · · · · · · · · · · ·
	Use/Mgmt. of Containers	-630	31		
4 .	- Condition of containers	-630(2)	32		
	- Compatible containers	-630(4)	33	OTHER ENVIRONMENTAL LAWS/CONCERNS	
5	1		1		
	- Closed containers	-630(5)(a)	34		
5   7	- Container handling	-630(5)(a) -630(5)(b)	34		
5					

Site Name: 3718-1 Date: 6/13/96 WA 7 8 9 0 0 0 8 9 6 7

### COMPLIANCE ACTIONS REQUIRED

Instructions: The actions identified below are necessary in order to be in compliance with Washington Dangerous Waste Regulations (Ch. 173-303 WAC), or other environmental laws or regulations. Please indicate the date an action is completed and initial each item. If an action is not completed, please note in the "Date Completed" column and explain on back of this page.

Return Completed Form or Request for Extension -- Upon completion of all actions listed above, please mail a copy of this form to the Washington Department of Ecology at the address listed below. An extension of the deadlines to achieve compliance may be requested. Please make a request in writing, including the reasons an extension is necessary and proposed date(s) for completion, and send it to the Ecology Lead Contact by 6176196 (date). Ecology will provide a written approval or denial of your request.

Page 3 of 3

No.	Action(s) Needed to Achieve Compliance	By When?	Date Completed	Initial
	Get configency plan at 3718-F Facilely.	6/25/90	6/24/9/	P.5/10
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Ecole Addr	ogy Lead Contact:: Pot Subocla ess: 1915 W. Yun · Kennewill WA 99336	Date: 6	113 PG 6	
	ived By: Jack January			
	checklist serves as a notice of deficiency for technical assistance visits or a notice ovided for in the Washington State Law "Implementing Regulatory Reform", Cl			
Photo	w-up by Ecology: Phone Letter Revisit None s Taken: Yes No Samples Taken: Yes /No Splits Offered: ments Left: Regulations Step by Step TIMs Focus Sheets Additional	Yes/No /	14-	·····

If you have any questions about information in this Checklist, please call the Ecology Lead Contact. The Department of Ecology is an equal opportunity agency. If you have special accommodation needs, contact Felicia Curtis at (360) 407-

Assistance/Enforcement Programs Explained: Yes / No

Ecology Form No.

6721 or Julie Carrasco at (360) 407-6199 (Voice), or (360) 407-6006 (TDD).

3/15/96

ENCLOSURE 2

303-K Storage Facility (S-3-1) Checklist



Date: 6/13/96

## Dangerous Waste Compliance Checklist

TYPE OF VISIT: TECHNICAL ASSISTANCE (COMPLIANCE INSPECTION) COMPLAINT # Other:
Opening Conference Yes No Site Tour: Yes No Records Review Yes No Closing Conference: Yes No
Site
Site Name: HANFORD SITE / 303 K WA 189.0008967
Site Contact(s): TVAN METCALF
Title(s): MANAGER FEOL SUPPLY SHUTDOWN
Phone:/ 376-7675 Phone:/
Address: P.O. Box (970 Richland.
Mailing Address: P.O. Box 1970
City: KICHCANO Co: BENTON Zip: 99352
Years on Site: SIC#
Generator/Facility Status (circle): SQG MQG LQG TSD Recycler Other
Type of Business: Stolace FACILITY
Ecology
Lead Contact: PAT SVOBODA Phone: 56/736-5709 FAX 509 / 736-303
Other Representatives: STEVE MOORE
Time On Site: 8:30 AM PM Time Off Site: AM / PM
Report Date: 6/13/96 Report By: PAT SVOBODA.  Process Information
Processes that Generate Wastes:
Waste Streams (description or codes):
Pollution Prevention Suggestions Technical Assistance Deferrals Information and assistance on the following
environmental programs is available from:
Minimize generation of paint waste in RAD
ALEAS
cology Form No. 3/15/96 Page I of 3

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lo.	Violation	WAC 173-303		Violation	WAC 173-
	WASTE MANAGEMENT			ADMINISTRATION/RECORDS	
	Waste Designation	-070(3)	20	Notification & Identification #s	-060(2)
_	Failure to Offer Waste to TSD	-141	21	Manifesting	-180
	Spills/Discharges	-145	22	Large Quantity Generator Plans	-200(1)(b -320 to -3
_	Treatment-by-Generator	-170(3)	23	Recordkeeping Retention Times	-210
	Accumulation Time Limits	-200(1)(a)	24	Annual Report/Exception Report	-220
	Accumulation in Containers/Tanks	-200(1)(b),	25	Personnel Training Requirements	-330
<del>, -  </del>	Container/Tank Labeling	see 630/640 200(1)(c)(d)	26	Preparedness & Prevention	-340
	Secondary Containment	200(1)(b)	$\frac{20}{27}$	Contingency Plan	-350
	Satellite Accumulation	-200(2)	28	Emergencies	-360
0	Medium Quantity Generator	-201(c)	29	Permit-by-Rule	-802(5)
	Ignitable/Reactive/	-395		OTHER DANGEROUS WASTE	
	Incompatible Wastes Used Oil Burned for Energy	-515	20	VIOLATIONS	-
	Use/Mgmt. of Containers	-630	30 31		<del></del>
_	- Condition of containers	-630(2)	32		
4	- Compatible containers	-630(4)	33	OTHER ENVIRONMENTAL LAWS/CONCERNS	
		-630(5)(a)	34		
5	- Closed containers				
5 6 7	- Container handling	-630(5)(b)	35		
6 7 8 9			35 36 37		

Date: 6/13/92 WA 7 89000 8967 Site Name:

### COMPLIANCE ACTIONS REQUIRED

Instructions: The actions identified below are necessary in order to be in compliance with Washington Dangerous Waste Regulations (Ch. 173-303 WAC), or other environmental laws or regulations. Please indicate the date an action is completed and initial each item. If an action is not completed, please note in the "Date Completed" column and explain on back of this page.

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No.	,	Action(s) Ne	eded to Achieve	Compliance	,	By When?	Date Completed	Initial
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If you have any questions about information in this Checklist, please call the Ecology Lead Contact. The Department of Ecology is an equal opportunity agency. If you have special accommodation needs, contact Felicia Curtis at (360) 407-6721 or Julie Carrasco at (360) 407-6199 (Voice), or (360) 407-6006 (TDD).

Ecology Form No.

3/15/96

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3

TO: PATRICK SVOBODA FROM: IVAN METCALF

SUBJECT: CONPLIANCE INSPECTION WA 7890008967

Attached are the MSDS's for the material that is stored in the 303-k facility. Based on these MSDS's the oil and paint is determined to be non-hazardous. The paint remaining in the can has dried solid.

If additional information is needed please contact John Remaize on 372-1462.

Rochester, New York 14623 (715) 424-5600 Telex 6854133 Fax (716) 424-5619

MSDS# most recent copy

SECTION:

PAGE:

**EFFECTIVE:** 

09/01/87

SUPERSEDES:

NEW

### MATERIAL SAFETY DATA SHEET

### PULSALUBE #1

#### r. Identification and Emergency Information

Product Name: PULSAlube #1

Supplier - Pulsafeeder Inc., 77 Ridgeland Road, Rochester, NY (716)424-5600 Health Emergency Telephone - RAECO Oil Co., Rochester, NY (716) 271-8080

Chemical Name - Petroleum Lubricating Oil

CAS Number - None

Formula - Mixture

D.O.T. Hazard Class - Not Regulated

D.O.T. I.D. Number - Not Applicable

US OSHA Hazard Communications Standard - Product assessed in accordance with OSHA CFR 1910.1200 and determined not to be hazardous.

### Hazardous Ingredients

This product has been determined to be not regulated.

### III. Physical/Chemical Data

Initial Boiling Point: 302°C (est)

Appearance - Light to medium amber colored, moderately viscous, petroleum

Specific Gravity - 30.55-30.90 API @ 100°F Odor - Mild

Vapor Density - Not Determined Evaporation Rate - Not Determined

Vapor Pressure - Not Determined

Solubility in Water - Slight

Viscosity: 500 SSU @ 100°F

Melting Point - N/A % Volatile by Vol. - Negligible

### IV. Fire and Explosion Hazard Data

Flash Point: 200°C approx. Cleveland Open Cup

Flammable Limits - Not Determined

NFPA Code - Health 0, Flammability 1, Reactivity 0

Extinguishing Media - Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, dependent on size or potential size of fire and circumstances related to situation.

Special Fire Fighting Procedures - None known. Good fire fighting procedures indicate using extinguishing media to keep containers cool. If a leak or spill has not ignited use water spray to disperse the vapors and to provide protection for the personnel attempting to stop leak. Water spray may be used to flush spills away from exposure. Minimize breathing gases, fumes or decomposition products.



77 Ridgeland Rd. Rochester, New York 14523 (715) 424-5600 Telex 6854133 Fax (716) 424-5619

SECTION:

ORDER SERVICES

PAGE:

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EFFECTIVE:

09/01/87

SUPERSEDES:

NEW

### MATERIAL SAFETY DATA SHEET

**PULSALUBE #1** 

MSDS # 14449

### IV. Fire and Explosion Hazard Data (Cont.)

Unusual Fire and Explosion Hazards - Decomposition products under fire conditions, fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other products of incomplete combustion may be present. Self contained air supply should be used in closed or confined areas with approved NIOSH apparatus.

Empty Containers Warning - Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. Employ drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with appropriate government regulations.

### V. Reactivity Data

Stability - Stable

Incompatibility (Material To Avoid) - Oxidizing materials.

Hazardous Decomposition Products - Oxides of carbon, sulfur, phosphorous nitrogen and hydrogen sulfide, all in small amounts.

Hazardous Polymerication - Will not occur.

### VI. Health Hazard Data

Threshold Limit Value - None established. Oil mist = 5 MG/cu. Meter

Signs and Symptoms of exposure - Prolonged or repeated skin contact may cause skin irritation by removing skin oils.

Routes of Entry - Inhalation (Yes), Direct Contact (skin and/or eyes), and Inhalation, Skin (Yes), Ingestion (N/A).

Health Hazards (Acute and Chronic) - No adverse acute or chronic effects expected when used as recommended.

Chemical Listed as Carcinogen or Potential Carcinogen - No carcinogenic material has been found in NTP, IARC, or OSHA.

Medical Conditions Generally Aggravated by Exposure - May aggravate existing skin irritation where further defatting or skin penetration could occur, causing redness.

### Emergency and First Aid Procedures

Skin - Wash with soap and water for at least 15 minutes.

Eyes - Flush with water for 15 minutes. Raise eyelids to insure flushing away of any spilled product.

Inhalation - N/A

Ingesting - DO NOT induce vomiting, call a physician immediately, if any irritation persists.

\*Pulsafeeder

7/ Hingeland Hd.
Rochester, New York 14623
(715)'424-5600
Telex 6854133
Fax (716) 424-5619

MSDS # 14449

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ORDER SERVICES

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09/01/87 NEW

### MATERIAL SAFETY DATA SHEET

### PULSALUBE #1

### VII. Precautions for Safe Handling and use.

Steps to be taken in case material is released or spilled - Recover free product. Add sand or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Open all windows and doors. Keep product out of sewers and waterways by diking. Advise authorities if product has entered or may enter sewer of extensive land areas.

Waste Disposal Method - Disposal should be in compliance with federal, state and local regulations.

Precautions to be Taken in Handling and Storing - Keep containers closed when not in use. Do not store near heat, sparks, flames or strong oxidants.

Personal Hygiene - Minimize breathing vapor, mist or fumes. Avoid prolonged or repeated skin contact. Remove contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean before use; discard if oil soaked. Cleanse skin thoroughly after contact, before breaks and meals and at the end of the work period.

### VIII.Control Measures

Ventilation Protection - No special requirements under ordinary conditions.

Protective Gloves - Neoprene or nitrile rubber gloves recommended.

Eye Protection - Safety glasses

Other Protective Equipment - Chemical resistance apron or other impervious clothing if needed to avoid contaminating regular clothing resulting in prolonged or repeated skin contact.

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of the seller's knowledge. However, since the conditions of handling and use are beyond our control, seller makes no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy or completeness of such data or the results to be obtained from the use thereof. Further, seller assumes no responsibility for injury to buyer or to third persons or for damage to any property. Buyer assumes all such risks, including but not limited to compliance of user with all applicable Federal, State and local laws and regulations. Further, nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws and regulations.

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MATERIAL SAFETY DATA SHEET

DATA SHEET NO. 929 DATE: AUGUST 5, 1985

PAGE 1.0f 2

NEW THIS ISSUE .

I.PRODUCT IDENTIFICATION

TRADE NAME:

PULSAlube #5

SHIPPING NAME:

CHEMICAL NAME:

Synthetic Hydrocarbons

DOT: PULSAlube #5

and additives

IATA:

USE OR DESCRIPTION:

Hydraulic/Lube Oil

INGREDIENTS II.

WT PCT

EX POSURE

LIMITS

· SOURCES

(approx)

MG/M3

PPM

(and notes)

Hazardous Ingredients:

Amine/Amide Mixture

0.3

Other Ingredients:

Synthetic Oils

>95

Additives and/or

Other Ingredients

III. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

Appearance:

ASTM 0.5 Liquid

Odor:

Mild

Solubility in water:

Appreciable

Melting Point F(C):

Not Applicable

Pour Point F(C):

-65 (-54)

Boiling Point F(C):

>600 (316)

Vapor Pressure-MM Hg 20C:

<.1

Relative Density, 15/4 C:

0.848

FIRE AND EXPLOSION HAZARD DATA

Flash Point F(C):

464(240) (ASTM D-92)

Flammable Limits:

LEL .6 UEL: 7.0

Extinguishing Media:

Carbon Dioxide, Foam, Dry Chemical and Water

Special Fire Fighting Procedures:

Firefighters must

use

self-contained

breathing aparatus.

Unusual Fire and Explosion Hazards:

None

V. HEALTH HAZARD DATA

Effects of Overexposure:

Prolonged or repeated contact may cause mild skin

irritation.

CONTINUED

Rochester, New York 14623 (716) 424-5600 Telex 6854133

MATERIAL SAFETY DATA SHEET NEW THIS ISSUE

DATA SHEET NO. 929 DATE: AUGUST 5, 1985 PAGE 2 Of 2

### V. HEALTH HAZARD DATA (Continued)

Emergency and First Aid Procedures:

Eve Contact:

Flush with clear water until irritation subsides.

Skin Contact:

Wash contact areas with soap and water.

Inhalation:

Not expected to be a problem. .

Ingestion:

Not expected to be a problem. However, if greater than 1/2 liter (pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. vomiting or give anything by mouth to an unconscious person.

Health Emergency Telephone: (212)883-4411 "MOBIL SHC 624"

### VI. REACTIVITY DATA

Stability (Thermal, Light, Etc.):

Stable.

Conditions to avoid:

Extreme heat.

Incompatibility (materials to avoid):

Strong oxidizers Carbon Monoxide

Hazardous Decomposition Products:

Hazardous Polymerization:

Will not occur

### VII. DISPOSAL, SPILL OR LEAK PROCEDURE

Environmental Impact: Report spills as required to appropriate authorities. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number 800-424-8802. In case of accident or road spill notify Chemtrec 800-424-9300 "MOBIL SHC 624".

Procedures if material is released or spilled: Absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

Waste Management: Dissolve waste in a solvent and dispose incineration in compliance with applicable laws and regulations.

### VIII. SPECIAL PROTECTION INFORMATION

Eye Protection: No special equipment required.

Skin Protection: No special equipment required. However, good personal hygiene practices should always be followed.

Respiratory Protection: No special requirements under ordinary conditions of use and with adequate ventilation.

Ventilation: No special requirements under ordinary condtiions of use and with adequate ventilation.

#### IX. SPECIAL PRECAUTIONS

Handling:

No special precautions required.

#### MATERIAL SAFETY L. . 'A SHEET COATINGS AND DESIT MOUR

### SECTION 1 - PRODUCT INFORMATION

MANUFACTURERS NAME: PRODUCT CODEADENTITY:

PPG INDUSTRIES, INC 6-H (041790M)

CUSTOMER PART PARKE: CHEMICAL FAMILY:

SPEEDHIDE LATEX S/G ENAMELS VINYL ACRYLIC

SHIPPING INFORMATION US-DOT-SHIP.NAMENHAZ CLASS: NOT PEGULATED UN NUMPER NA

> IN-PLANT HAZARD MATINGS HEALTH ..

FLAMMABILITY+ REACTIMITY-

DEMINIMAL 1-SUIGHT 2-MODERATE 3-SERIOUS 4-SEVERE -- CONTAINS INGREDIENT(S) WHICH MAY CAUSE (LONG-TERM) HEALTH EFFECTS

PRODUCT SAFETY INFO:

240 KAPPA DRIVE PITTSBUROIL PA 1525F (612) 497-5555

PGH, PAINTS INFO, OR MSDS: AUTO REFINISH INFO OF KISDS: EMERGENCY STILL INFO: DATE OF MSDS PREPARATION:

1-0/0-441-0995 1-809-245-2590, IN OH.(218) 671-0050 (304) 843-1300

(304) 843-1300 6/04/90

THIS MATERIAL SAFETY DATA SPECT LIAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (24 CFR 1810 1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SAINA TITLE IN SECTION 313, AND OTHER APPLICABLE RIGHL-TO KNOW REGULATIONS, ABBREVIATIONS AND OTHER DESIGNATIONS USED ON THIS MATERIAL SAFETY DATA SHEET INCLUDE THE FOLLOWING:

THE WINNOWN INFORMATION: N/A ... NOT APPLICABLE: NOT ESTABL ... NOT ESTABLISHED, CERT, LIR. - CHEMICAL OK ON ISCA INVENTORY, CAS NO. NOT

#### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS IFORMULA VALUES, NOT SALES SPECIFICATIONS!

POILING PANGE: 100 - 274 DEG. C VAPOR PRESSURE: < 16 mmHo

SOLURILITY IN WATER: 464 % WINGAL (LES): 9-11 (U.S.)

VAPOR DENSITY: HEAVIER THAN AIR " VOLVOLUME: + NB

pH- UA % SOLID BY WEIGHT: 20-43

EVAP RATERNOAC+1001: +24 SPECIFIC GRAVITY 1,1 + 13 ODDORVAPPEARANCE: VISCOUS LIDLIND WITH AN ODDOR CHARACTERISTIC OF THE CHEMICAL FAMILY AND ANY SOLVENTS LISTED IN SECTION IL

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

US-DOT CATEGORY: NOT APPLICABLE FLASHPOINT: NA DEG. F PMCC FLAMMABLE LIMITS: LEL NA UEL UA

EXTINGUISHING MEDIA:
USE NATIONAL FIRE PROTECTION ASSOCIATION (NEPA) CLASS B EXTINGUISHERS CARRON DIOXIDE, DRY CHEMICAL OR UNIVERSAL AQUEOUS FILM FORMING FOAM DESIGNED TO EXTINGUISH NEPA CLASS INF COMBUSTIBLE LIQUID FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

CLOSED CONTAINERS MAY EXPLODE OR BURST (DUE TO THE BUILD UP OF STEAM

TRESSURE WHEN EXPOSED TO EXTREME HEAT. IF WHEN IS USED TO COOL CLOSEDCONTAINERS TO PROVIDE TO EXTREME HEAT. IF WHEN END TO TO COOL CLOSEDCONTAINERS TO PROVINCE PRESSURE RUID-UP AND POSSIBLE AUTOGRATION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WHEN IS USED, FOR NOZZLES ARE PREFERABLE, FIRE-FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS.

### SECTION V - REACTIVITY DATA

STABILITY: STABILE HAZANDOUS POLYMENIZATION: NOT EXPECTED TO OCCUR INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID): AVOID CONTACT WITH STRONG ALKALIES, STRONG MINERAL ACIDS, OR STRONG OXIDIZING AGENTS HAZARDOUS DECOMPOSITION PRODUCTS:

MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS WHEN HEATED, WELDING, BRAZING, OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT MAY PRODUCE FUMES INCLUDING: Carbon Monoride,

### SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
PROVIDE MATMON VENTIATION. DOLY PERSONNEL LOUPTED WITH PROPER
RESPRANDON AND SIM AND EYE PROTECTION SHOULD BE PERMITTED IN THE AREA.
REMOVE ALL SOURCES OF GRITON. TAKE UP SPILED MATERIAL WITH SAWDUST, VERMICULIE, OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD: WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL STATE. PROVINCIAL, AND LOCAL ENVIRONMENTAL COSTROL REGULATIONS EMPTY CONTAINERS SHOULD BE RECYCLED ON DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

SECTION VII - HEALTH HAZARD DATA EFFECTS OF OVEREXPOSURE FROM:

EYE CONTACT: LAUSES EYE INDITATION . .. SKIN CONTACT

MAY CAUSE SUGRESKIN INPUTATION.

INDITAJAHON: די ייים או מפונעת או אויים אויים אויים אויים או או אויים או

TEMPERATURES INDIATES EYES, NOSE AND THROAT.

CHRONIC OVEREXPOSURE: ANIMALS INHALING MASSIVE DUANTITIES OF TITANIUM DIDXIDE DUST IN A LONG. TERM STUDY INITIAL DIE THE PROPERTY OF TH

DOWNING AND SYMPTOMS OF OVEREXPOSURE;

JOERNING AND SYMPTOMS OF OVEREXPOSURE;

JOERNESS, INCHING, BURNING SEPSATION AND VISUAL DISTURBANCES MAY INDICATE TRICESSIVE EYE CONTACT. DRYMESS, ITCHING, CHACKING, BURNING, RECOVERS, AND SWELLING ARE CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT APPLICABLE

### SECTION VIII - FIRST AID PROCEDURES

INCESTION: IF SWALLOWED, DO NOT INDUCE VOMITING.

EYE CONTACT:
IN CASE OF EYE CONTACT, FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 LUNUTES.

SKIN CONTACT:
W CASE OF SKIN CONTACT, DEMOVE PROMPTLY BY VARING, FOLLOWED BY WATERLESS HAND CLEANER AND SOAP AND WATER

INHALATION: , IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION AND OTHER SUPPORTIVE MEASURES AS REQUIRED.

OTHER! EXPOSURE TO A CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY, HAVE MATERIAL SAFETY DATA SHEET INFORMATION AVAILABLE, "INGESTION "EXCESSIVE CONTROL OF THE PROPERTY OF DIFFICULTIES.

### SECTION IX - PROTECTION INFORMATION

PERSONAL PROTECTIVE COUPMENT FOR: 14 65 91

WEAR CHEMICAL-TYPE SPLASH GOGGLES OR FULL FACE SHIELD.

SKIH PROTECTION:

WEAR PROTECTIVE CLOTHING, INCLUDING IMPERMEABLE APRON AND GLOVES CONSTRUCTED

OF: NITRIE, NEOTRENE, OR LAISZ

BESPIRATORY PROTECTION:

OVEREXPOSURE TO VARCUS MAY BE PREVENTED BY ENSURING VENTILATION CONTROLS,

VAROR EXHAUST OR FRESH AIR EITHTY. INOSHMASHA.APPROVED (C. 200.) PAINT SPRAY OR

AIR SUPPLIED (C. 100.) RESPIRATORS MAY ALSO REDUCE EXPOSURE. READ RESPIRATOR

MANUFACTURER'S INSTRUCTIONS AND LIFERATURE COREFULLY TO DETERMINE THE TYPE OF

AIRBORNE CONTANIANTS AGAINST WHICH THE RESPIRATOR IS EFFECTIVE AND HOW IT IS TO BE PROPERLY FITTED.

OTHER COULTRENTS

CLEAN OR DISCARD CONTAMINATED CLOTHING AND SHOES.

VENTILATION REQUIREMENTS:

PROVIDE GENERAL DICTION OF LOCAL EPHAUST VENTILATION IN VOLUME AND PATTERN TO

REEF THE CONCENTRATION OF INGREDIENTS LISTED IN SECTION IT BELOW THE LOWEST

SUGGESTED EXPOSURE LIMITS, THE LEL IN SECTION IN BELOW THE STATED LIMIT, AND TO NEMOVE DECOUPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT.

### SECTION X - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

DO NOT STORE ABOVE 170 DEGREES F. STORE LARGE CHANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NEPA CLASS IIIB COMBUSTIRLE LIQUIDS, PROTECT FROM EBEEDING.

IF THIS MATERIAL IS PART OF A MULTIPLE COMPONENT COATING SYSTEM, PEAD THE MATERIAL SAFETY DATA SHEETIST FOR THE OTHER COMPONENT, OR COMPONENTS BEFORE BLENDING AS THE RESULTING MIXTURE MAY HAVE THE HAZARDS OF ALL OF ITS PARTS

6-	Н
6-510 6-515 6-516	6-518 6-544 6-576
`	



### SECTION II - INCREDIENTS AND RECULATORY INFORMATION

		•	•		SAR	A TITL	E 111	& CERC	LA CLAS	SIFICAL	IONS.	
			•	HAX X	HS	EHS	TC+	RO	190		311/3	
	INGREDIENTS		CAS NUMBER	WEIGHT	(102)	(302)	(313)	(LBS)	(FB2)	AC CH	FL PR	RE
			2.6			*****		<b></b>	arain Again	-	••••	•
•	ALUMINUM SILICATE		1332-58-7	5-10	H	И	и	H/A	N/A	N .N.	N N	н
	TITANIUH DIOXIDE #		13463-67-7	20-25	N	N	N	H/A	N/A	HY	'N N	н
	2,2,4TRIMETHYL 1,3PENTANEDIOL ISO	BUTYRATE	25265-77-4	1. 2	N	N	N	X/K	N/A	Y H	и и	H
	WATER	4	7732-18-5 : •	60-65	N	н	N	RZA	N/A	H H	н н	H
	FILM FORMERS, RESINS, AND ADDITIV	ES'.	NOT ESTAB.	20-25	N	X	N	H/A	H/A	H H	N N	H
			* • • • • • • • • • • • • • • • • • • •									

\*\*\* OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS \*\*\*

•			ACG	1H		OSH	A		PEL
1 MGRED1EHTS		TLV-	-TYA ;	. TLV-STEL	PE	L-TVA	PEL-STEL	IPEL-TVA	IPEL-STEL
				*********				********	********
TANIUH DIOXIDE #	•	10 (	mg/m3	NOT ESTAB	15	En\em	NOT ESTAB	10 mg/m3	HOT ESTAB

\*\* SARA 311/312 CATEGORIES FOR THIS PRODUCT \*\*\*
ACUTE=Y CHRONIC=Y FLAM=N PRESS=N REAC=N

MSDS # 13135

\*\*\* PRODUCT STATUS RELATIVE TO THE US EPA TOXIC SUBSTANCES CONTROL ACT \*\*\*
ALL CHEMICAL SUBSTANCES IN THIS PRODUCT COMPLY WITH ALL APPLICABLE
RULES OR ORDERS UNDER THE ENVIRONMENTAL PROTECTION AGENCY'S TOXIC
SUBSTANCES CONTROL ACT.

\*\*\* FOOTNOTES FOR SECTION 11 \*\*\*

CARCINOGENIC ACCORDING TO CRITERIA ESTABLISHED BY: \*=HTP \*\*=IARC D=OSHA #=OTHER
ORAL\* LD50 ORAL (RAT), (g/kg) DERM# LD50 DERMAL (RABBIT), (g/kg) INHL\* LC50 INHALATION (RAT), (Mg/L)
+ INGREDIENTS IN THE TC COLUMN ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III. SEE 40 CFR PART 372.

ENCLOSURE 3

303-M Oxide Facility (T-3-2) Checklist

Page 1-3



Date: 6/13/96

## Dangerous Waste Compliance Checklist

TYPE OF VISIT: TECHNICAL ASSISTANCE COMPLIANCE INSPECTION COMPLAINT # Other:
Opening Conference (Yes) No Site Tour: (Yes) No Records Review: (Yes) No Closing Conference: (Yes) No
Site
Site Name: 303-M Facility - Hanford Site WA 7890008967
Site Contact(s): <u>Fuan Metcal</u>
Title(s): Manager Frel Supply Shutdown
Phone:/ 376-7675 Phone:/
Address: <u>Pobox 1970</u>
Mailing Address: Pobox 1870 Richland WA
City: Richland NA Co: Zip: 9835Z
Years on Site: NA SIC#
Generator/Facility Status (circle): SQG MQG LQG (SD) Recycler Other X CERCA-Clarify
- 1 po 02 2 de 2
Ecology to Heat to remove Pyrophoric nature, fast of 1987.
Lead Contact: Pat Subboda Phone: 1738-5709 FAX 1736-3030
Other Representatives: <u>Steve Moore</u>
Time On Site: 0830 AM/PM Time Off Site: 1/00 AM/PM
Report Date: 6 1/3 196 Report By: Pat Subboda
Report Bate. 42 7. Comments of the Report By. 17 at 18
Process Information
Processes that Generate Wastes: Radiolytical dean. Factliff treated phophoric
motiviels to make their non-pyrophoric.
Waste Streams (description or codes):
Pollution Prevention Suggestions, Technical Assistance Referrals Information and assistance on the following
environmental programs is available from:
Ecology Form No. 3/15/96 Page 1 of 3

site Name: 303-M Date: 61376 WA 7 49 00 6 896 7

### COMPLIANCE ACTIONS REQUIRED

Instructions: The actions identified below are necessary in order to be in compliance with Washington Dangerous Waste Regulations (Ch. 173-303 WAC), or other environmental laws or regulations. Please indicate the date an action is completed and initial each item. If an action is not completed, please note in the "Date Completed" column and explain on back of this page.

Return Completed Form or Request for Extension -- Upon completion of all actions listed above, please mail a copy of this form to the Washington Department of Ecology at the address listed below. An extension of the deadlines to achieve compliance may be requested. Please make a request in writing, including the reasons an extension is necessary and proposed date(s) for completion, and send it to the Ecology Lead Contact by

6/2-6/5-6 (date). Ecology will provide a written approval or denial of your request.

No.	Action(s) Needed to Achieve Compliance	By-When?	Date Completed	Initial
,	Place applicated information on BED/Emergeray Consister	. "	41 MAJEA	J- ILM
	of the 303-M facility. This information is despited			0 ER 6/27/9C
	in WAC 173-303-350 3 (d). Its Ecologis	e galactic and a second		10000
	understanding this will be accomplished by Plaging an			1 1 1 1 1 1 1
	updated "Standing Instruction Letter" of the facility / 2000	5 6/28/96		
		्रेंक्टर १	•	
	ACTION TAKEN: AN UPDATED STANDING INSTRUCTION	<b>ა</b>		Ilm
	WITH NAMES POSITIONS, WORK LOCATIONS WORK	Lawara.		8/27/96
	AND HOME PHONE NUMBERS PLACED AT FACILITIE			F.MU/27
				Y / '
		1107		
			·	<u> </u>
				<u> </u>
		,		
<u>:</u> col	ogy Lead Contact:: Pat Suppoda	Date: _E	1/3196	

Ecology Lead Contact:: Pat 500boola Date: 61(3196)

Address: 1445 W 444 Kennewick WA 99336

Received By: II MRTCALF X Inlest OERaemusen 6/27/86

This checklist serves as a notice of deficiency for technical assistance visits or a notice of correction for other site visits as provided for in the Washington State Law "Implementing Regulatory Reform", Chapter 403, Laws of 1995.

Follow-up by Ecology:

Phone

Letter

Revisit

None

Photos Taken:

Yes No Regulations

Samples Taken: Yes/No

Splits Offered: Yes/No MA-

Documents Left:

Additional

Step by Step TIMS

Focus Sheets

Additional

Assistance/Enforcement Programs Explained (Yes) No

If you have any questions about information in this Checklist, please call the Ecology Lead Contact. The Department of Ecology is an equal opportunity agency. If you have special accommodation needs, contact Felicia Curtis at (360) 407-6721 or Julie Carrasco at (360) 407-6199 (Voice), or (360) 407-6006 (TDD).

Ecology Form No.

3/15/96

Page 3 of 3

	nditions Not in Compliance  te: Per 11/15/93 991ees	want 3031	M wi	Il maintain appopriate document	See Line Below
	specifical including a	contingonar &	Han.		
E	ilure to maintain care	+13tol	8 <i>ED</i>	Buergary coordinators	77
A	er WAC 173-303-	350(3)(c	<u>2) (</u>		
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ne					•
0.	Violation	WAC 173-303	Line No.	Violation	WAC 173-
	WASTE MANAGEMENT			ADMINISTRATION/RECORDS	WAC 175
-	Waste Designation	-070(3)	20	Notification & Identification #s	-060(2)
	Failure to Offer Waste to TSD	-141	21	Manifesting	-180
	Spills/Discharges	-145	22	Large Quantity Generator Plans	-200(1)(b
		}	]		-320 to -3
	Treatment-by-Generator	-170(3)	23	Recordkeeping Retention Times	-210
	Accumulation Time Limits	-200(1)(a)	24	Annual Report/Exception Report	-220 .
	Accumulation in Containers/Tanks	-200(1)(b),	25	Personnel Training Requirements	-330
		see 630/640			-340
	Container/Tank Labeling Secondary Containment	200(1)(c)(d)	26 27 √	/ Preparedness & Prevention	-350
	Satellite Accumulation	-200(1)(b) -200(2)	28	Contingency Plan Emergencies	-360
	Sateline Accumulation		1	Permit-by-Rule	!
	Medium Quantity Generator	1 -201(c)	# /U		1 -802(5)
0	Medium Quantity Generator  Ignitable/Reactive/	-201(c)	29		-802(5)
0	Medium Quantity Generator Ignitable/Reactive/ Incompatible Wastes	-201(c) -395		OTHER DANGEROUS WASTE	-802(5)
I	Ignitable/Reactive/				-802(5)
I 2 3.	Ignitable/Reactive/ Incompatible Wastes Used Oil Burned for Energy Use/Mgmt. of Containers	-395 -515 -630		OTHER DANGEROUS WASTE	-802(5)
I 2 3.	Ignitable/Reactive/ Incompatible Wastes Used Oil Burned for Energy Use/Mgmt. of Containers - Condition of containers	-395   -515   -630   -630(2)	30 31 32	OTHER DANGEROUS WASTE VIOLATIONS	-802(5)
I 2 3.	Ignitable/Reactive/ Incompatible Wastes Used Oil Burned for Energy Use/Mgmt. of Containers	-395 -515 -630	30 31	OTHER DANGEROUS WASTE VIOLATIONS OTHER ENVIRONMENTAL	-802(5)
I 2 3.	Ignitable/Reactive/ Incompatible Wastes Used Oil Burned for Energy Use/Mgmt. of Containers - Condition of containers - Compatible containers	-395 -515 -630 -630(2) -630(4)	30 31 32 33	OTHER DANGEROUS WASTE VIOLATIONS	-802(5)
I 2 3. 4	Ignitable/Reactive/ Incompatible Wastes Used Oil Burned for Energy Use/Mgmt. of Containers - Condition of containers - Compatible containers - Closed containers	-395 -515 -630 -630(2) -630(4) -630(5)(a)	30 31 32 33 34	OTHER DANGEROUS WASTE VIOLATIONS OTHER ENVIRONMENTAL	-802(5)
0 I 2 3. 4 5	Ignitable/Reactive/ Incompatible Wastes Used Oil Burned for Energy Use/Mgmt. of Containers - Condition of containers - Compatible containers - Closed containers - Container handling	-395 -515 -630 -630(2) -630(4) -630(5)(a) -630(5)(b)	30 31 32 33 34 35	OTHER DANGEROUS WASTE VIOLATIONS OTHER ENVIRONMENTAL	-802(5)
0 I 2 3. 4 5	Ignitable/Reactive/ Incompatible Wastes Used Oil Burned for Energy Use/Mgmt. of Containers - Condition of containers - Compatible containers - Closed containers	-395 -515 -630 -630(2) -630(4) -630(5)(a)	30 31 32 33 34	OTHER DANGEROUS WASTE VIOLATIONS OTHER ENVIRONMENTAL	-802(5)